

0102.000 **MASS EMISSION TESTING POLICY**

Level Three Permits Section
Air Quality Division

Originator: Prabhat Bhargava

Contact For
Information: Prabhat Bhargava

Issue Date: June 5, 1996

Next Scheduled Review Date: June 5, 1997

PURPOSE

The purpose of this policy is to facilitate consistent application by Arizona Department of Environmental Quality (ADEQ) staff of testing requirements for similar sources. This policy outlines the frequency with which sources must conduct testing pursuant to Arizona Testing Manual (A.A.C. R18-2-102.1). This policy applies only to major sources.

AUTHORITY

A.A.C. R18-2-102.1, R18-2-312.

POLICY

Revisions to A.R.S. §49-426 authorize ADEQ to issue air quality control permits for a period of five (5) years. This necessitates specifying permit conditions for mass emission testing in the permit. The following testing schedule is proposed as a minimum. The Arizona Testing Manual (A.A.C. R18-2-102.1) requires major sources to test those pollutants for which the source is major every year. Other testing may be required if determined necessary.

Type of Facility:

1. Major Source Coal
 Fired Steam Generators

 Testing: Annual

 Pollutant: PM, SO (2), NO(x)
2. Major Source Oil Fired Steam Generator

 Testing: Annual
 Pollutant(s): PM, SO (2), NO(x)
3. Major Source Gas Fired Steam Generator

 Testing: Annual

Pollutant(s): NO(x)

4. Incinerators

Testing:

- a. New units must be tested within 180 days of permit issuance or source must provide acceptable manufacturer's test results.
- b. Test required for any documented violation of the opacity limitation.

Pollutant(s): PM

5. Portland Cement Plant, if firing coal (as follows):

a. Kiln

Testing: Annual test for H₂S; also if they have high sulfur fuel

Pollutant(s): PM, SO₂

b. Clinker Cooler

Testing: Annual
Pollutant(s): PM

c. Other sources

Testing: If opacity > 15%
Pollutant(s): PM

6. Nitric Acid Plant:

a. Acid Plant

Testing: Annual
Pollutant: NO(x)

Testing: Annual, if SCR utilized
Pollutant: Co

b. Prill Tower

Testing: Annual
Pollutant: PM

7. Sulfuric Acid Plant:

Testing: Annual

Pollutant(s): SO₂, H₂SO₄, Mist

8. Asphalt Concrete Plant:

Testing:

- a. New plants must test within 180 days of permit issuance or source must provide acceptable test results from a previous test conducted within the last year.
- b. Existing plants must test annually or when production exceeds 100,000 tons in any one year period, whichever is later.
- c. Source must test upon any documented violation of the opacity limitation.

Pollutant(s): PM

9. Thermal Desorbers (Dirt Burners)

Testing: Annual and upon any documented violation of the opacity limitation

Pollutant(s): PM, NO(x)

10. Primary Copper Smelters

Testing: Annual

Pollutant(s): SO(2), PM

11. Kraft Pulp Mills

Testing: Annual

Pollutant(s): PM, H(2)S

12. Lime Manufacturing Plants

Testing: Annual

Pollutant(s): PM

13. Concrete Batch Plants

Testing: No testing

14. Cotton Gins

Testing: No testing

15. Gas Turbines

Testing: Every third year

Pollutant(s): NO(x)

16. Internal Combustion Engines for Natural Gas Transmission Pipeline

Testing: Every third year
Pollutant(s): NO(x)

RESPONSIBILITY

Responsibility for implementation of this policy lies within the Air Quality Permits Section.

0102.000

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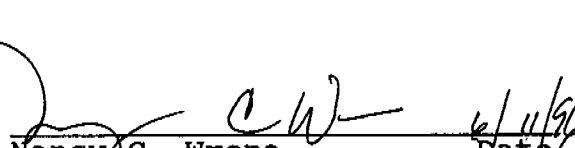
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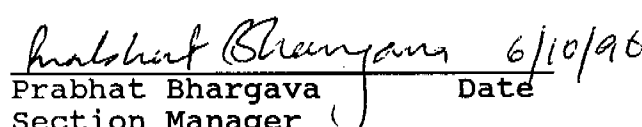
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APPROVED

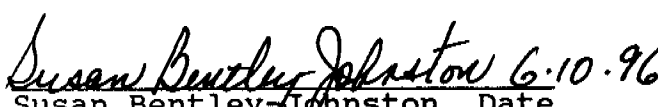

Nancy C. Wrona
Division Director
Air Quality Division

Date


Prabhat Bhargava
Section Manager
Permits Section

Date

The Policy Review Committee has posted, reviewed, and accepted this policy by motion as of June 5, 1996.


Susan Bentley-Johnston
Recording Secretary

Date